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**NATIONAL AGENCY FOR FOOD AND DRUG
ADMINISTRATION AND CONTROL ACT (CAP. N1 LFN), 2004**

FRUIT JUICE AND NECTAR REGULATIONS, 2021



ARRANGEMENT OF REGULATIONS

Regulation :

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SCHEDULES

S. I. No. 71 of 2021

**NATIONAL AGENCY FOR FOOD AND DRUG
ADMINISTRATION AND CONTROL ACT (CAP. N1 LFN), 2004
FRUIT JUICE AND NECTAR REGULATIONS, 2021**

[7th Day of July, 2021]

Commence-
ment.

In exercise of the powers conferred on it by sections 5 and 30 of the National Agency for Food and Drug Administration and Control Act (Cap N1 LFN) 2004 and section 12 of the Food, Drug and Related Products (Registration, etc.) Act Cap F33 LFN 2004 and all other powers enabling it in that behalf, the Governing Council of the National Agency for Food and Drug Administration and Control with the approval of Minister of Health makes the following Regulations—

1. These Regulations shall apply to fruit juice and nectar products manufactured, imported, exported, advertised, sold, distributed or used in Nigeria.

Scope of
application.

2.—(1) A fruit juice or nectar shall not be manufactured, imported, exported, advertised, sold distributed or used in Nigeria, unless it has been registered in accordance with the provisions of these Regulations.

Prohibition.

(2) A person shall not manufacture, import, export, advertise, sell, display for sale, offer for sale, distribute or use any fruit juice or nectar which contains non-nutritive sweeteners without the approval of the Agency.

(3) Fruit juice may contain sugar, invert sugar or dextrose and any approved food additives, but subject to the approval of the Agency.

(4) Fruits juice shall not contain non-nutritive sweeteners unless it is approved by the Agency.

3. Definitions and compositions of fruit juices, nectar and fruit puree shall be as provided in First Schedule to these Regulations.

Definitions
and
composition
of fruit
juices, nectar
and fruit
puree.

4.—(1) The product shall have characteristic colour, aroma and flavour of the fruit juice.

Organoleptic
properties.

(2) The natural volatile juice components may be restored to a juice obtained from the same type of fruits from which natural volatile juice components have been removed.

5. The use and limits of any food additives in the manufacture of fruit juice and nectar shall be in accordance with the approval of the Agency and as indicated in Fourth Schedule to these Regulations.

The use and
limits of
food
additives.

6. The maximum limits of contaminants in fruit juices and nectars shall comply with the limits as provided in Fifth Schedule to these Regulations.

Maximum
limits of
contaminants.

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Brix Levels
and Fruit
contents for
Fruit Juices,
their
derivatives
and Purees.

Labelling.

7. Permissible Brix levels for fruit juices, reconstituted fruit juices and purees will be as prescribed in the Second Schedule to these Regulations.

8.—(1) Fruit juice and nectar shall be labelled in accordance with the Agency's Pre-packaged Food Labelling Regulations.

(2) The percentage of fruit content present shall be declared on the ingredients list on the product label.

(3) Labelling of drinks specified in these Regulations shall not bear—

(a) the word "fruit juice" unless the fruit content as provided in Third Schedule to these Regulations ; and

(b) the word "fruit drink" unless the fruit juice content is not less than 5%.

Name of
fruit juice to
indicate the
nature.

9.—(1) The name of every fruit juice shall indicate its accurate nature.

(2) Where a name has been established for the fruit juice in these Regulations, such a name shall be used as approved by the Agency.

(3) Where no common name exists for the fruit juice, an appropriate descriptive name shall be used, provided that the product is not named fruit juice drink.

(4) Coined or fanciful name may be used for fruit juice, provided the name is not misleading and is accompanied by an appropriate descriptive term.

(5) In the case of a combination of two or more fruit juices, the name of the juices shall be indicated in the order of predominance by weight or the word "fruit", shall be declared on the package.

(6) In case of a single fruit juice or a combination of two or more fruit juices, any of which are made from concentrate, the words "from concentrate", shall follow the word "juice" in the name of such juice, when being declared on the package.

List of
Ingredients.

10. A complete list of ingredient used in preparing a fruit juice shall be declared on the label in descending order of the proportion present, except in the case of a dehydrated fruit juice intended to be reconstituted by the addition of an appropriate quantity of potable water, in which case, the ingredients may be listed in order of proportion in the reconstituted product, provided that the list of ingredients shall be headed by a statement such as "ingredients when reconstituted".

Offences and
Penalties.

11.—(1) Any person who contravenes any of the provisions of these Regulations commits an offence and shall be liable on conviction, in the case of—

(a) an individual, to imprisonment for a term not exceeding 1 year or to a fine not exceeding ₦800,000.00 or to both ; and

(b) a body corporate, to a fine not exceeding ₦5,000,000.00.

(2) Where an offence under these Regulations is committed by a body corporate, firm or other association of individuals every—

(a) director, manager, secretary or other similar officer of the body corporate ;

(b) partner or officer of the firm ;

(c) trustee of the body concerned ;

(d) person concerned in the management of the affairs of the association ;
or

(e) person who purports to act in a capacity referred to in paragraphs (a) to (d) of this sub-regulation,

is liable to be proceeded against and punished for the offence in the same manner as if the person committed the offence, unless the person proves that the act or omission constituting the offence took place without his knowledge, consent or connivance.

12. A person convicted of an offence under these Regulations shall forfeit to the Federal Government of Nigeria—

Forfeiture
after
conviction.

(a) any asset or property constituting proceeds derived from or obtained, directly or indirectly, as a result of the offence ; or

(b) any of the person's property or instrument used in any manner to commit or to facilitate the commission of the offence.

13.—(1) The Fruit Juice and Nectar Regulations 2005 is revoked.

Revocation.

(2) The revocation of the Regulations specified in sub-regulation (1) shall not affect anything done or purported to have been done under the revoked Regulations.

14. In these Regulations, unless the context otherwise requires—

Interpretation.

“Agency” means the National Agency for Food and Drug Administration and Control ;

“Concentrated fruit juice” means the product that complies with the definition given in Regulation 12 (2) above, except water has been physically removed in an amount sufficient to increase the Brix level to a value at least 50% greater than the Brix value established for reconstituted juice from the same fruit ;

“Food” means any substance, whether processed, semi-processed or raw, which is intended for human consumption, and includes drinks, chewing

gum and any substance which has been used in the manufacture, preparation or treatment of "food" but does not include cosmetics or tobacco or substances used only as drugs ;

"Fruit juice" means the unfermented but fermentable liquid obtained from the edible part of sound, appropriately mature and fresh fruit or of fruit maintained in sound condition by suitable means including post-harvest surface treatment applied in accordance with the applicable provision of Codex Alimentarius Commission ;

"Fruit nectar" means the unfermented but fermentable product obtained by adding water, with or without the addition of sugars, or honey to the products (fruit juice, fruit juice from concentrate, concentrated fruit juice, water extracted fruit juice, dehydrated/powered fruit juice) to puree or to concentrated fruit puree or a mixture of those products ;

"Fruit puree" means the fermentable but unfermented product obtained by any suitable physical process such as sieving, grinding, milling the edible part of whole or peeled fruit without removing the juice ;

"Label" means any tag, brand, mark, pictorial or other descriptive matter, written, printed, stencilled, marked, embossed or impressed on, or attached to, a package (container) of fruit juice and nectar ;

"Package" means any form of suitable container (packaging material) in which the fruit juices and nectars are packed for sale as a single item ; and

"Proceeds" means any property derived or obtained, directly or indirectly, through the commission of the offence.

Enforcement
of these
Regulations.

15. The Agency is exclusively responsible for the enforcement of these Regulations.

Citation.

16. These Regulations may be cited as Fruit Juice and Nectar Regulations, 2021.

FIRST SCHEDULE [Regulation 3 and 8]

DEFINITIONS AND COMPOSITIONS OF FRUIT JUICES,
NECTAR AND FRUIT PUREE

1.—(1) Orange juice shall be the fruit juice obtained from the endocarp of sound, ripe oranges and the juice may have been concentrated and later reconstituted with potable water suitable for the purpose of maintaining the essential composition and quality factors of the juice.

Orange juice
(*Citrus
sinensis*).

(2) The soluble solid determined by the minimum Brix level for the single strength orange juice not from concentrate shall be 10 and the Brix level for reconstituted orange juice from concentrate shall be 11.2.

(3) The essential oils content of an orange juice shall not exceed 0.4ml/kg.

2.—(1) Pineapple juice shall be the fruit juice obtained from sound ripe pineapples and the juice may have been concentrated and later reconstituted with potable water suitable for the purpose of maintaining the essential composition and quality factors of the juice.

Pineapple
juice
(*Ananas
comosus* ;
*Ananas
sativus*).

(2) The soluble solids determined by minimum Brix level shall be 11.2 for pineapple juice exclusive of added sugars and where the juice has been obtained using concentrated juice with the addition of potable water, the soluble solids determined by the minimum Brix level shall be 12.8 for pineapple juice exclusive of added sugars.

(3) The total quantity of added sugars shall not exceed 25g/kg and the addition of sugars is not permitted when the juice has been acidified.

(4) Ethanol content of the pineapple juice shall not exceed 3g/kg.

3.—(1) Grape juice shall be the fruit juice obtained from sound, ripe grapes and the juice may have been concentrated and later reconstituted with potable water suitable for the purpose of maintaining the essential composition and quality factors of juice.

Grape juice
(*Vitis
vinifera* or
hybrids
thereof; *Vitis
labrusca* or
hybrids
thereof).

(2) The soluble grape solids determined by the minimum Brix level shall be 13.5 for grape juice and where the juice has been obtained using concentrated juice with the addition of potable water, the soluble solids determined by the minimum Brix level shall be 15.9 for grape juice.

(3) The ethanol content shall not exceed 5g/kg.

(4) The volatile acids content of a grape juice shall not exceed 0.4g/kg, expressed as acetic acid.

4.—(1) Lemon Juice shall be the fruit juice obtained from sound, ripe lemon and the juice may have been concentrated and later reconstituted with potable water suitable for the purpose of maintaining the essential composition and quality factors of the juice.

Lemon juice
(*Citrus
lemon*).

B 3150

(2) The soluble lemon solids determined by the minimum Brix level for lemon juice shall be 7.0.

(3) The ethanol content of a lemon juice shall not exceed 3g/kg.

(4) The essential oils content of a lemon juice shall not exceed 0.5ml/kg.

Grapefruits
(*Citrus
paradisi*).

5.—(1) Grapefruit juice shall be the fruit juice obtained from sound, ripe grapefruits and the juice may have been concentrated and later reconstituted with potable water suitable for the purpose of maintaining the essential composition and quality factors of the juice.

(2) The soluble solids determined by the minimum Brix level shall be 9.5 for grapefruit exclusive of added sugars and the total quantity of added sugars and the minimum Brix level for reconstituted grapefruit from concentrate shall be 10.0.

(3) The total quantity of added sugars shall not exceed 50g/kg.

(4) The ethanol content shall not exceed 3.0g/kg.

(5) The essential oils content shall not exceed 0.3ml/kg.

Apple juice
(*Pyrus
malus*).

6.—(1) Apple juice shall be the fruit juice obtained from sound, ripe apples and the juice may have been concentrated and later reconstituted with potable water suitable for the purpose of maintaining the essential composition and quality factors of the juice.

(2) The soluble solids determined by the minimum Brix level shall be 10.2 for apple juice and the minimum Brix level for reconstituted apple juice from concentrate shall be 11.2.

(3) The ethanol content shall not exceed 5g/kg.

(4) The volatile acids content of an apple juice shall not exceed 0.4g/kg expressed as acetic acid.

Blackcurrant
juice (*Ribes
nigrum*L).

7.—(1) Blackcurrant juice shall be fruit juice obtained from sound, ripe blackcurrants and the juice may have been concentrated and later reconstituted with potable water suitable for the purpose of maintaining the essential composition and quality factors of the juice.

(2) The soluble solids determined by the minimum Brix level shall be 10.5 for blackcurrant juice and the minimum Brix level for reconstituted blackcurrant from concentrate shall be 11.0.

(3) The total quantity of added sugars calculated as dry matter shall not exceed 200g/kg of the final product.

(4) The ethanol content shall not exceed 3g/kg.

(5) The volatile acids content shall not exceed 1.2g/kg expressed as acetic acid.

8.—(1) Other fruit juices shall be the fruit juices made from fruits of single species and the fruit juices may have been concentrated and later reconstituted with potable water suitable for the purpose of maintaining the essential composition and quality factors of the juice.

Other fruit
juice.

(2) The soluble solids determined by the minimum Brix level shall correspond to the soluble solids content of the named ripe fruit exclusive of added sugar as in First Schedule.

(3) The total quantity of added sugars shall not exceed 100g/kg, except for very acid fruits, where 200g/kg is permitted.

(4) The addition of sugar is not permitted when the juice has been acidified.

(5) The ethanol content shall not exceed 5g/kg.

9.—(1) Mixed fruit juice shall be the fruit juice obtained from two or more species of sound ripe fruits and the juices may have been concentrated and later reconstituted with potable water suitable for the purpose of maintaining their essential composition and quality factors.

Mixed fruit
juice.

(2) The soluble solids determined by the minimum Brix level (exclusive of added sugars) shall be a value which corresponds to the soluble solids content of the ripe fruits exclusive of added sugars.

(3) The quantity of sugars added, calculated as dry sugar shall not exceed 100g/kg.

(4) The addition of sugars to mixed fruit juice is not permitted when the juice has been acidified.

(5) The ethanol content of a mixed fruit juice shall not exceed 3g/kg.

10. Carbonated juice or sparkling juice shall be the named fruit juice impregnated with carbon dioxide, under pressure or where the fruit juice contains more than 2g/kg of carbon dioxide and the term "carbonated" shall appear in close proximity to the name of the product and carbon dioxide shall be declared in the list of ingredients.

Carbonated
fruit juice.

11.—(1) Fruit puree is the unfermented but fermentable product obtained by sieving the edible part of the whole or peeled fruit without removing the juice.

Fruit puree.

(2) The fruit shall be sound, appropriately mature and fresh fruit or fruit preserved by physical means.

(3) Concentrated fruit puree may be obtained by the physical removal of water from the fruit puree.

(4) Fruit puree may have restored aromatic substances and volatile flavour components, all of which shall be obtained by suitable physical means,

and all of which shall be recovered from the same kind of fruit and pulp and cells obtained by suitable physical means from the same kind of fruit may be added.

Nectar.

12.—(1) Nectar is the unfermented but fermentable product obtained by adding potable water, sugars, or both, or other carbohydrate sweeteners as described in Fourth Schedule to fruit puree or concentrated fruit puree or to a mixture of those products.

(2) The minimum juice or puree content shall be as in the Third Schedule to these Regulations.

(3) Aromatic substances, volatile flavour components, pulp and cells all of which shall be recovered from the same kind of fruit and be obtained by suitable physical means may be added, and the product shall meet the requirements defined for fruit nectars in the Third Schedule to these Regulations.

SECOND SCHEDULE

[Regulation 7]

COMPOSITION

Basic ingredients

1. Soluble solids are as follows—

(1) For fruit juices not from concentrates offered for consumption as such, the soluble solids content of the single strength juice shall not be modified and shall be in accordance with the minimum Brix level established in the 1st table below ;

(2) The preparation of fruit offered for direct consumption that requires reconstitution of condensed or concentrated juices shall be in accordance with the minimum Brix level indicated in the 1st table, exclusive of the solids of any added optional ingredients and additives and if there is no Brix level specified in the table, minimum Brix shall be calculated on the basis of the soluble solids content of the single strength, unconcentrated juice used to produce such concentrated juice ;

(3) For reconstituted juice from concentrate, potable water used in reconstitution shall at a minimum meet Guidelines for Drinking Water Quality of the World Health Organisation with Nitrate levels which shall not exceed 25 mg/l and Sodium levels shall not exceed 50 mg/l.

2. Minimum Brix level for reconstituted juice from concentrate and single strength juice not from concentrate are as follows—

Fruit's Common Name	Botanical Name	Minimum Brix Level for Reconstituted Fruit Juices and Reconstituted Purée	Minimum Juice and/or Purée Content (% v/v) for Fruit Nectars
Kiwi	<i>Actinidia deliciosa</i> (A. Chev.) C.F. Liang & A.R. Ferguson	(*)	(*)
Cashewapple Pineapple	<i>Anacardium occidentale</i> L. <i>Ananas comosus</i> (L.) Merrill <i>Ananas sativus</i> L. Schult. F.	11.5 12.8 It is recognized that in different countries, the Brix level may naturally differ from this value. In cases where the Brix level is consistently lower than this value, reconstituted juice of lower Brix from these countries introduced into international trade will be acceptable, provided it meets the authenticity methodology listed in the General Standard for Fruit Juices and Nectars and the level will not be below 10°Brix for pineapple juice and apple juice	25.0 40.0
Soursop	<i>Annona muricata</i> L.	14.5	25.0
Sugar Apple	<i>Annona squamosa</i> L.	14.5	25.0
Starfruit	<i>Averrhoa carambola</i> L.	7.5	25.0
Papaya	<i>Carica papaya</i> L.	(*)	25.0
Star Apple	<i>Chrysophyllum cainito</i>	(*)	(*)
Water Melon	<i>Citrullus lanatus</i> (Thunb.) Matsum. & Nakai var. <i>lanatus</i>	8.0	40.0
Lime	<i>Citrus aurantifolia</i> (Christm.) (swingle)	8.0	According to the legislation of the importing country
Sour Orange	<i>Citrus aurantium</i> L.	(*)	50.0
Lemon	<i>Citrus limon</i> (L.) Burm. f. <i>Citrus limonum</i> Rissa Citrus	8.0 ¹⁴	According to the legislation of the importing country
Grapefruit	<i>Citrus paradisi</i> Macfad	10.0 ¹⁴	50.0
Sweetie grapefruit	<i>Citrus paradisi</i> , <i>Citrus grandis</i>	10.0	50.0
Mandarine/ Tangerine	<i>Citrus reticulata</i> Blanco	11.8 ¹⁴	50.0
Orange	<i>Citrus sinensis</i> (L.)	11.8–11.2 ¹⁴ and consistent with the application of national legislation of the importing country but not lower than 11.2. It is recognized that in different countries, the Brix level may naturally differ from this range of values. In cases where the Brix level is consistently lower than this range of values, reconstituted juice of lower Brix from these countries introduced into international trade will be acceptable, provided it meets the authenticity methodology listed in the General Standard for Fruit Juices and Nectars and the level will not be below 10° Brix.	50.0

Coconut	<i>Cocos nucifera</i> L. ¹⁵	5.0	25.0
Melon	<i>Cucumis melo</i> L.	8.0	35.0
Casaba Melon	<i>Cucumis melo</i> L. subsp. <i>melo</i> var. <i>inodorus</i> H. Jacq.	7.5	25.0
Honeydew Melon	<i>Cucumis melo</i> L. subsp. <i>melo</i> var. <i>inodorus</i> H. Jacq.	10.0	25.0
Quince	<i>Cydonia oblonga</i> Mill.	11.2	25.0
Persimmon	<i>Diospyros khaki</i> Thunb.	(*)	40.0
Crowberry	<i>Empetrum nigrum</i> L.	6.0	25.0
Loquat	<i>Eriobotrya japonica</i>	(*)	(*)
Guavaberry/Birchberry	<i>Eugenia syriaca</i>	(*)	(*)
Suriname Cherry	<i>Eugenia uniflora</i> Rich.	6.0	25.0
Fig	<i>Ficus carica</i> L.	18.0	25.0
Kumquat	<i>Fortunella Swingle</i> sp.	(*)	(*)
Strawberry	<i>Fragaria x. ananassa</i> Duchesne (<i>Fragaria chiloensis</i> Duchesne x <i>Fragaria virginiana</i> Duchesne)	7.5	40.0
Genipap	<i>Genipa americana</i>	17.0	25.0
Sea Buckthorn	<i>Hippophae elaeagnifolia</i>	17.1	25.0
Buckthornberry = Sallow-thornberry	<i>Hippophae rhamnoides</i> L.	6.0	25.0
Litchi/Lychee	<i>Litchi chinensis</i> Sonn.	11.2	20.0
Tomato	<i>Lycopersicon esculentum</i> L.	5.0	50.0
Acerola (West Indian Cherry)	<i>Malpighia</i> sp. (Moc. & Sesse)	6.5	25.0
Apple	<i>Malus domestica</i> Borkh.	11.5 It is recognized that in different countries, the Brix level may naturally differ from this value. In cases where the Brix level is consistently lower than this value, reconstituted juice of lower Brix from these countries introduced into international trade will be acceptable, provided it meets the authenticity methodology listed in the General Standard for Fruit Juices and Nectars and the level will not be below 10 ° Brix for pineapple juice and apple juice.	50.0
Mango	<i>Mangifera indica</i> L.	13.5	25.0
Mulberry	<i>Morus</i> sp.	(*)	30.0
Banana	<i>Musa</i> species including <i>M. acuminata</i> and <i>M. paradisiaca</i> but excluding other plantains	(*)	25.0
Yellow Passion Fruit	<i>Passiflora edulis</i>	(*)	(*)
Passion Fruit	<i>Passiflora quadrangularis</i> .	(*)	(*)
Date	<i>Phoenix dactylifera</i> L.	18.5	25.0
Sapote	<i>Pouteria sapota</i>	(*)	(*)
Apricot	<i>Prunus armeniaca</i> L.	11.5	40.0
Sweet Cherry	<i>Prunus avium</i> L.	20.0	25.0
Sour Cherry	<i>Prunus cerasus</i> L.	14.0	25.0

Stonesbaer	<i>Prunus cerastis</i> L.cv <i>Stevensbaer</i>	17.0	25.0
Plum	<i>Prunus domestica</i> L. subsp. <i>domestica</i>	12.0	50.0
Prune	<i>Prunus domestica</i> L. subsp. <i>domestica</i>	18.5	25.0
Quetsche	<i>Prunus domestica</i> L. subsp. <i>domestica</i>	12.0	25.0
Nectarine	<i>Prunus persica</i> (L.) Batsch var. <i>nucipersica</i> (Suckow) c. K. Schneid.	10.5	40.0
Peach	<i>Prunus persica</i> (L.) Batsch var. <i>persica</i>	10.5	40.0
Sloe	<i>Prunus spinosa</i> L.	6.0	25.0
Guava	<i>Psidium guajava</i> L.	8.5	25.0
Pomegranate	<i>Punica granatum</i> L.	12.0	25.0
Aronia/ Chokeberry	<i>Pyrus arbutifolia</i> (L.) Pers.	(*)	(*)
Pear	<i>Pyrus communis</i> L.	12.0	40.0
Black Currant	<i>Ribes nigrum</i> L.	11.0	30.0
Red Currant	<i>Ribes rubrum</i> L.	10.0	30.0
White Currant	<i>Ribes rubrum</i> L.	10.0	30.0
Red Gooseberry	<i>Ribes uva-crispa</i>	(*)	30.0
Goosberry	<i>Ribes uva-crispa</i> L.	7.5	30.0
White Goosberry	<i>Ribes uva-crispa</i> L.	(*)	30.0
Cynorhodon	<i>Rosa canina</i> L.	(*)	40.0
Rosehip	<i>Rosa</i> sp. L.	9.0	40.0
Cloudberry	<i>Rubus chamaemorus</i> L.	9.0	30.0
Mulberry	<i>Rubus chamaemorus</i> L. <i>Morus hybrid</i>	(*)	40.0
Blackberry	<i>Rubus fruticosus</i> L.	9.0	30.0
Dewberry	<i>Rubus hispidus</i> (of North America) <i>R. caesiis</i> (of Europe)	10.0	25.0
Red Raspberry	<i>Rubus idaeus</i> L. <i>Rubus</i> <i>strigosus</i> Michx.	8.0	40.0
Loganberry	<i>Rubus loganobaccus</i> L. H. Bailey	10.5	25.0
Black Raspberry	<i>Rubus occidentalis</i> L.	11.1	25.0
Boysenberry	<i>Rubus ursinus</i> Cham. & Schltdl.	10.0	25.0
Youngberry	<i>Rubus vitifolius</i> x <i>Rubus</i> <i>idaeus</i> <i>Rubus baileyensis</i>	10.0	25.0
Elderberry	<i>Sambucus nigra</i> L. <i>Sambucus canadensis</i> .	10.5	50.0
Lulo	<i>Solanum quitoense</i> Lam.	(*)	(*)
Rowanberry	<i>Sorbus aucuparia</i> L.	11.0	30.0
Sorb	<i>Sorbus domestica</i>	(*)	30.0
Caja	<i>Spondia lutea</i> L.	10.0	25.0
Umbu	<i>Spondias tuberosa</i> Arruda ex Kost.	9.0	25.0
Pome Apple	<i>Syzygium jambosa</i> <i>Tamarindus indica</i>	(*)	(*)
Tamarind (Indian date)	<i>Theobroma cacao</i> L. <i>Theobroma grandiflorum</i>	13.0	Adequate content to reach a minimum acidity of 0.5

Cocoa pulp	<i>Theobroma cacao</i> L.	14.0	50.0
Cupuaçu	<i>Theobroma grandiflorum</i> L.	9.0	35.0
Cranberry	<i>Vaccinium macrocarpon</i> Aiton <i>Vaccinium oxycoccos</i> L.	7.5	30.0
Bilberry/ Blueberry	<i>Vaccinium myrtillus</i> L. <i>Vaccinium corymbosum</i> L. <i>Vaccinium angustifolium</i>	10.0	40.0
Lingonberry	<i>Vaccinium vitis-idaea</i> L.	10.0	25.0
Grape	<i>Vitis Vinifera</i> L. , or hybrids thereof <i>Vitis Labrusca</i> or hybrids thereof	16.0	50.0
Other: High acidity			Adequate content to reach a minimum acidity of 0.5
Other: High pulp content, or Strong flavour			25.0
Other: Low acidity, Low pulp content, or Low/medium flavour			50.0

* No data is currently available

For the purposes of these Regulations, the Brix is defined as the soluble solids content of the juice as determined by the method found in the Section on Methods of Analysis and Sampling.

Where a juice is manufactured from a fruit not mentioned in the above list, it shall, nevertheless, comply with all the provisions of the Standard, except that the minimum Brix level of the reconstituted juice shall be the Brix level as expressed from the fruit used to make the concentrate.

Cocoa pulp	<i>Theobroma cacao</i> L.	14.0	50.0
Cupuaçu	<i>Theobroma grandiflorum</i> L.	9.0	35.0
Cranberry	<i>Vaccinium macrocarpon</i> Aiton <i>Vaccinium oxycoccos</i> L.	7.5	30.0
Bilberry/ Blueberry	<i>Vaccinium myrtillus</i> L. <i>Vaccinium corymbosum</i> L.	10.0	40.0
Lingonberry	<i>Vaccinium angustifolium</i> <i>Vaccinium vitis-idaea</i> L.	10.0	25.0
Grape	<i>Vitis Vinifera</i> L. or hybrids thereof <i>Vitis Labrusca</i> or hybrids thereof	16.0	50.0
Other: High acidity			Adequate content to reach a minimum acidity of 0.5
Other: High pulp content, or Strong flavour			25.0
Other: Low acidity, Low pulp content, or Low/medium flavour			50.0

* No data is currently available

For the purposes of these Regulations, the Brix is defined as the soluble solids content of the juice as determined by the method found in the Section on Methods of Analysis and Sampling.

Where a juice is manufactured from a fruit not mentioned in the above list, it shall, nevertheless, comply with all the provisions of the Standard, except that the minimum Brix level of the reconstituted juice shall be the Brix level as expressed from the fruit used to make the concentrate.

MINIMUM JUICE AND/OR PUREE IN FRUIT NECTARS

<i>Fruit Nectars Made From</i>	<i>Minimum Juice and/or Puree Content (% m/m)</i>
	35
Apricot	40
Bilberry	30
Blackberry	30
Blackcurrant	30
Blackcurrant (non pulpy)	30
Cloudberry	30
Cranberry	50
Elderberry	30
Goosberry	50
Grapefruit	25
Guava	50
Mandarine	30
Mango (pulpy)	50
Orange	40
Peach	40
Peer	40
Raspberry	30
Redcurrant	40
Rose hip	30
Rowanberry	25
Sea Buckthorn	40
Strawberry	50
Tangerine	30
White currant	30
Whortleberry Other: High Acidic	50
Apple	25
Banana	
Other : High Acidity, High pulp Content, or Strong Flavour	25
Other : Low Acidity, Low pulp Content, or Low/Medium Flavour	50

FOURTH SCHEDULE

[Regulation 5]

USE AND LIMITS OF FOOD ADDITIVES		
<i>Function</i>		<i>Maximum Level</i>
4.1	ANTIOXIDANTS	
300	Ascorbic acid	Limited by GMP
220	Sulphur dioxide (lemon, lime and grape must only)	350mg/l
4.2	ACIDITY REGULATORS	
300	Citric acid	2g/l
330	Citric acid for (nectars)	5g/l
296	Malic acid (or nectars)	Limited by GMP
336	Tartaric acid (for nectars)	Limited by GMP
4.3	CARBONATING AGENTS	
290	Carbon dioxide	Limited by GMP
4.4	STABILIZERS	
440	Pectins	<3g/l
4.5	SWEETENERS (OR NECTARS)	
950	Acesulfame K	<350mg
951	Aspartame	<600mg
952	Cyclamic Acid and Salts	<400mg/l
954	Saccharine and Salts	<80mg/l
955	Sucralose	<250mg/l
954	Neohesperidine	30mg/l
4.7	As may be prescribed Agency	

PROCESSING AIDS – MAXIMUM LEVEL OF USE IN LINE WITH
GOOD MANUFACTURING PRACTICES (GMP)

<i>Function</i>	<i>Substance</i>
Antifoaming Agents	Polymethylsiloxane ⁵
Clarifying Agents	Adsorbent clays
Filtration Aids	(bleaching, natural or activated earths)
Flocculating Agents	Absorbent resins
	Activated carbon (only from plants)
	Bentonite
	Calcium hydroxide
	Cellulose
	Chitosan
	Colloidal silica
	Diatomaceous earth
	Gelatin (from skin collagen)
	Ion exchange resins (Cation and Anion)
	Kaolin
	Perlite
	Polyvinylpolypyrrolidone
	Potassium tartrate
	Precipitated calcium carbonate
	Rice hulls
	Silica sol
	Sulphur dioxide
	Tannin

FIFTH SCHEDULE

[Regulation 6]

***MAXIMUM LIMITS OF CONTAMINANTS IN
FRUIT JUICE AND NECTARS**

<i>Contaminant in Fruit Juice/Nectars</i>	<i>Maximum Limits (mg/kg)</i>
Arsenic (As)	0.2 mg/kg
Lead (Pb)	0.1 mg/kg
Tin (Sn)	200 mg/kg
Copper (Cu)	5 mg/kg
Zinc (Zn)	5 mg/kg
Iron (Fe)	15 mg/kg
Sum of Copper, Zinc and Iron	20 mg/kg
Mineral impurities insoluble in 10% of hydrochloric acid shall not exceed 25mg/kg (only for clarified juices)	
Toxins	
Mycotoxins	
Patulin (in apple juice and apple juice ingredients)	50 µg/kg

MADE at Abuja this 7th day of July, 2021

DR. OSAGIE E. EHANIRE, MD, FWACS
Honourable Minister of Health